

ABSTRACT OF THE DISCLOSURE

The present invention provides a shadow mask having an improved resistance to an impact such as vibration or dropping so as to keep a constant quality of a color cathode-ray tube. The object is achieved by a shadow mask in which throughholes are formed, each of the throughholes 2a and 2b having a rear side hole portion 4a or 4b through which an electron beam enters and a front side hole portion 3a or 3b through which the electron beam is emitted so as to form a beam spot having a prescribed shape on a surface to be irradiated; wherein, each of the throughholes 2a and 2b has a ridge portion 8, 8b or 8e formed by intersection of a taper surface 10, 10b or 10e of the rear side hole portion 4a or 4b and a taper surface 6, 6b or 6e of the front side hole portion 3a or 3b; the taper size T represented by a value a half the difference between the hole width S at end 7, 7b or 7e of the front side hole portion 3a or 3b and the hole width Q at the ridge portion 8, 8b or 8e is within a range of from 30 to 40% of the thickness t of the shadow mask; and the ridge portion is formed at a sectional height of up to 35 μm from the end 9 of the rear side hole portion 4a or 4b.

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